

RECEIPT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FILE COPY

#5

In re application of:  
Langemyr et al.

Appln. No.: 09/675,778

Filed: September 29, 2000

For: METHOD AND APPARATUS FOR THE  
SPECIFICATION AND AUTOMATIC  
DERIVATION OF PARTIAL DIFFERENTIAL  
EQUATIONS ASSOCIATED WITH COUPLED  
PHYSICAL QUANTITIES IN A MULTIPHYSICS  
PROBLEM



Art Unit: To Be Assigned

Examiner: To Be Assigned

Docket No. CMM-00101

Certificate of Mailing

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as first class mail, in an envelope addressed to the Commissioner for Patents Washington, D.C. 20231 on this date of November 30, 2000.

  
Name: Tracey A. Newell

REQUEST FOR CORRECTION OF FILING RECEIPT

Customer Corrections Branch  
Commissioner for Patents  
Washington, DC 20231  
Sir:

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FEB 22 2001

Technology Center 2100

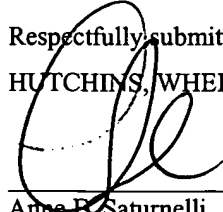
Please make the following correction on the Filing Receipt:

The Applicant(s) section, the first applicant should be corrected to read:

Lars Langemyr, Stockholm, SWEDEN

A copy of the Filing Receipt with the change noted thereon is also submitted herewith. Should there be any questions concerning this request, the Examiner is invited to contact the undersigned at (617) 951-6661.

Respectfully submitted,  
HUTCHINS, WHEELER & DITTMAR

  
Anne B. Saturnelli  
Reg. No. 41,290

November 30, 2000

Date  
Patent Group  
Hutchins, Wheeler & Dittmar  
101 Federal Street  
Boston, MA 02110



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/675,778	09/29/2000	2183	0	CMM-00101	32	101	4

Patent Group  
Hutchins Wheeler & Dittmar  
101 Federal Street  
Boston, MA 02110



## FILING RECEIPT



\*OC000000005554784\*

Date Mailed: 11/14/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

*Stockholm*  
Lars Langemyr, Stockholm, SWEDEN;  
Magnus Marklund, Stockholm, SWEDEN;  
Arne Nordmark, Stockholm, SWEDEN;  
Per-Olof Persson, Stockholm, SWEDEN;  
Magnus Ringh, Burlington, MA ;

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## Continuing Data as Claimed by Applicant

THIS APPLN CLAIMS BENEFIT OF 60/222,394 08/02/2000

## Foreign Applications

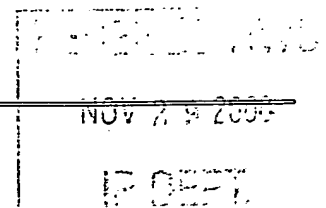
If Required, Foreign Filing License Granted 11/14/2000

## Title

Method and apparatus for the specification and automatic derivation of partial differential equations associated with coupled physical quantities in a multiphysics problem

## Preliminary Class

712



Data entry by : AMARE, TSION

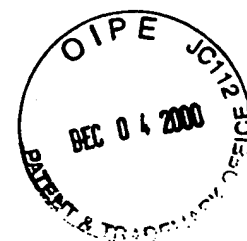
Team : OIPE

Date: 11/14/2000



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**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**



**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

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**FEB 22 2001**

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**Technology Center 2100**

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231



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Bib Data Sheet

<b>SERIAL NUMBER</b> 09/675,778	<b>FILING DATE</b> 09/29/2000 <b>RULE</b> -	<b>CLASS</b> 712	<b>GROUP ART UNIT</b> 2183	<b>ATTORNEY DOCKET NO.</b> CMM-00101	
<b>APPLICANTS</b> Lars Langemyr, Stockholm, SWEDEN; Magnus Marklund, Stockholm, SWEDEN; Arne Nordmark, Stockholm, SWEDEN; Per-Olof Persson, Stockholm, SWEDEN; Magnus Ringh, Burlington, MA ;					
<b>** CONTINUING DATA *****</b> THIS APPLN CLAIMS BENEFIT OF 60/222,394 08/02/2000					
<b>** FOREIGN APPLICATIONS *****</b>					
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 11/14/2000</b>					
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged		<b>STATE OR COUNTRY</b> SWEDEN	<b>SHEETS DRAWING</b> 32	<b>TOTAL CLAIMS</b> 101	<b>INDEPENDENT CLAIMS</b> 4
<b>ADDRESS</b> 26339					
<b>TITLE</b> Method and apparatus for the specification and automatic derivation of partial differential equations associated with coupled physical quantities in a multiphysics problem					
<b>FILING FEE RECEIVED</b> 2378	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		



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WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/675,778	09/29/2000	Lars Langemyr	CMM-00101

Patent Group  
Hutchins Wheeler & Dittmar  
101 Federal Street  
Boston, MA 02110

## FORMALITIES LETTER



\*OC000000005554785\*

Resp. to Missing Parts  
DUE: 1-14-01  
FINAL: 6-14-01

Date Mailed: 11/14/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$1536.
  - \$1458 for 81 total claims over 20.
  - \$78 for 1 independent claims over 3.
- The signature of the following inventor(s) is missing from the oath or declaration:  
*Lars Langemyr, Magnus Marklund, Arne Nordmark, Per-Olof Persson, Magnus Ringh*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

12/07/2000 SDUONG 00000047 09675778

- The balance due by applicant is \$ 2356.

01 FC:101  
02 FC:105  
03 FC:103  
04 FC:102

710.00 OP  
130.00 OP  
1458.00 OP  
80.00 OP

A copy of this notice **MUST** be returned with the reply.

  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

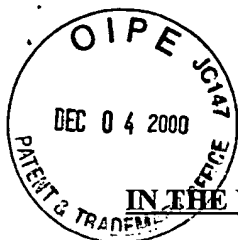
PART 2 - COPY TO BE RETURNED WITH RESPONSE

NOV 9 8 2000

17.5.2000







Section 113

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:  
Langemyr et al.

Appln. No.: 09/675,778

Art Unit: To Be Assigned

Filed: September 29, 2000

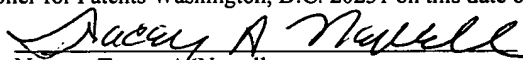
Examiner: To Be Assigned

For: METHOD AND APPARATUS FOR THE  
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EQUATIONS ASSOCIATED WITH COUPLED  
PHYSICAL QUANTITIES IN A MULTIPHYSICS:  
PROBLEM

Docket No. CMM-00101

**Certificate of Mailing**

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as first class mail, in an envelope addressed to the Commissioner for Patents Washington, D.C. 20231 on this date of November 30, 2000.

  
Name: Tracey A. Newell

**RESPONSE TO MISSING PARTS UNDER 35 U.S.C. 371**

Commissioner for Patents  
Washington, DC 20231

Sir:

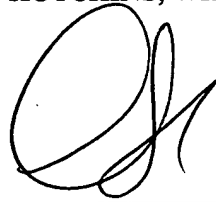
In response to the Notice of Missing Parts dated November 14, 2000, for the above-referenced patent application under 35 U.S.C. 371, Applicant respectfully submits the following:

1. Copy of Notification of Missing Requirements under 37 C.F.R. 1.53(b);
2. Executed Declaration and Power of Attorney;
3. Check for \$2,378.00; and
4. Return Receipt Postcard.

Although we believe that we have appropriately provided for any fees due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to/from our **Deposit Account No. 501136**. Two originally-executed copies of this form are being submitted.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 951-6661.

Respectfully submitted,  
HUTCHINS, WHEELER & DITTMAR



November 30, 2000  
Date

---

Anne E. Saturnelli  
Reg. No. 41,290

Patent Group  
Hutchins, Wheeler & Dittmar  
101 Federal Street  
Boston, MA 02110